IN THE CLAIMS:

The following is substitute claims and a mark-up version showing changes made under 37 CFR 1.125(a):

(substitute)

1. (Currently amended) A radiowave monitoring method comprising the steps of:

comparing an observed pattern of intensities versus arrival directions of a radiowave, which is emitted from a radiowave emitting source, observed at one position in an observation area with simulated patterns of intensities at other plural positions in the observation area versus emitting directions of a simulated radiowave emitted from said one position, the simulated pattern being obtained while changing the emitting direction of the simulated radiowave; and

identifying a position out of said plural positions whose simulated pattern shows the best correlation with the observed pattern at said one position as a location of the radiowave emitting source.

2. (Canceled)

3. (Currently amended) A radiowave monitoring method according to claim 1, wherein

in creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, the observation area is two-dimensionally divided

into a plurality of regions, and electric field intensities to be observed in the respective regions are computed.

4. (Currently amended) A radiowave monitoring method according to claim 3, wherein

in creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, while changing the emitting direction of the simulated radiowave emitted from said on position, the electric field intensities to be observed in the respective regions are computed to give electric field intensity distributions for the respective emitting directions.

5. (Currently amended) A radiowave monitoring method according to claim 1, wherein

in creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, the observation area is three-dimensionally divided into a plurality of spaces, and electric field intensities to be observed in the respective spaces are computed.

6. (Currently amended) A radiowave monitoring method according to claim 5, wherein

in creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, while changing the emitting direction of the simulated radiowave emitted from said on position, the electric field intensities to be observed in the respective regions are

computed to give electric field intensity distributions for the respective emitting directions.

7. (Currently amended) A radiowave monitoring method according to claim 3, wherein

in creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, geography and ground objects in the observation area are taken into consideration.

8. (Currently amended) A radiowave monitoring method according to claim 5, wherein

in creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, geography and ground objects in the observation area are taken into consideration.

9. (Currently amended) A radiowave monitoring method according to claim 1, wherein

based on the location of the identified radiowave emitting source and the simulation result, propagation path of the radiowave from the radiowave emitting source to said one position is traced.

10. (Original) A radiowave monitoring method according to claim 9, wherein

based on a result of tracing the propagation path, antenna directivity of the radiowave emitting source is estimated.

11. (Currently amended) A radiowave monitoring method according to claim 10, wherein

based on the estimated antenna directivity of the radiowave emitting source, an electric field intensity distribution of the radiowave emitted from the radiowave emitting source is computed.

12. (Currently amended) A radiowave monitoring apparatus comprising:

a radiowave observing means disposed at one position in an observation area, for observing a pattern of intensities versus arrival directions of a radiowave emitted from a radiowave emitting source;

a storing means for storing simulated patterns of intensities at other plural positions in the observation area versus emitting directions of a simulated radiowave emitted from said one position, the simulated pattern being obtained through computation performed by a simulation means while changing the emitting direction of the simulated radiowave; and

a radiowave emitting source identifying means for comparing the pattern observed by the radiowave observing means with the simulated patterns stored in the storing means to identify a position out of said plural positions whose simulated pattern shows the best correlation with the pattern observed by the radiowave observing means at said one position as a location of a radiowave emitting source.

13. (Currently amended) A radiowave monitoring apparatus according to claim 12, wherein

the simulation means two-dimensionally divides the observation area into a plurality of regions, and computes electric field intensities of the simulated radiowave emitted from said one position, which are to be observed in the respective regions.

14. (Currently amended) A radiowave monitoring apparatus according to claim 13, wherein

the storing means stores electric field intensities of the simulated radiowave emitted from said one position in different directions, which are to be observed in the respective regions, for the respective directions.

15. (Currently amended) A radiowave monitoring apparatus according to claim 12, wherein

the simulation means three-dimensionally divides the observation area into a plurality of spaces and computes electric field intensities of the simulated radiowave emitted from said one position, which are to be observed in the respective spaces.

16. (Currently amended) A radiowave monitoring apparatus according to claim 15, wherein

the storing means stores electric field intensities of the simulated radiowave emitted from said one position in different directions, which are to be observed in the respective spaces, for the respective directions.

17. (Currently amended) A radiowave monitoring apparatus according to claim 12, further comprising

a propagation path tracing means for tracing a propagation path of the radiowave from the radiowave emitting source to said one position, based on the location of the radiowave emitting source identified by the radiowave emitting source identifying means and the simulation result.

18. (Original) A radiowave monitoring apparatus according to claim 17, further comprising

an antenna directivity estimating means for estimating antenna directivity of the radiowave emitting source, based on a result of tracing the propagation path given by the propagation path tracing means.

19. (Currently amended) A radiowave monitoring apparatus according to claim 18, further comprising

an electric field intensity computing means for computing an electric field intensity distribution of the radiowave emitted from the radiowave emitting source, based on the antenna directivity of the radiowave emitting source estimated by the antenna directivity estimating means.

(mark-up)

1. (Currently amended) A radiowave monitoring method ~~comprising: the step of~~ comprising the steps of:

comparing an ~~observation result of an arrival direction and a pattern of intensities~~ observed pattern of intensities versus arrival directions of a radiowave, which is emitted

from a radiowave emitting source, observed at one position in an observation area with ~~simulation results of arrival directions and patterns of intensities of radiowaves~~ simulated patterns of intensities at other plural positions in the observation area versus emitting directions of a simulated radiowave emitted from said one position, ~~which are to be observed at other plural positions in the observation area~~ the simulated pattern being obtained while changing the emitting direction of the simulated radiowave; and

identifying a position out of said plural positions whose simulated pattern shows the best correlation with the observed pattern at said one position as a location of the radiowave emitting source.

2. (Canceled)

3. (Currently amended) A radiowave monitoring method according to claim 1, wherein

in ~~simulating the arrival directions and the patterns of intensities of radiowaves~~ creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, the observation area is two-dimensionally divided into a plurality of regions, and electric field intensities to be observed in the respective regions are computed.

4. (Currently amended) A radiowave monitoring method according to claim 3, wherein

in ~~simulating the arrival directions and the patterns of intensities of radiowaves~~ creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, while changing the ~~emission direction of radiowaves~~ emitting direction of the simulated radiowave emitted from said on position, the electric field intensities to be observed in the respective regions are computed to give electric field intensity distributions for the respective ~~emission~~ emitting directions.

5. (Currently amended) A radiowave monitoring method according to claim 1, wherein

in ~~simulating the arrival directions and the patterns of intensities of radiowaves~~ creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, the observation area is three-dimensionally divided into a plurality of spaces, and electric field intensities to be observed in the respective spaces are computed.

6. (Currently amended) A radiowave monitoring method according to claim 5, wherein

in ~~simulating the arrival directions and the patterns of intensities of radiowaves~~ creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, while changing the ~~emission direction of radiowaves~~ emitting direction of the

simulated radiowave emitted from said on position, the electric field intensities to be observed in the respective regions are computed to give electric field intensity distributions for the respective ~~emission~~ emitting directions.

7. (Currently amended) A ~~radiowave~~ radiowave monitoring method according to claim 3, wherein

in ~~simulating the arrival directions and the patterns of intensities of radiowaves~~ creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, geography and ground objects in the observation area are taken into consideration.

8. (Currently amended) A ~~radiowave~~ radiowave monitoring method according to claim 5, wherein

in ~~simulating the arrival directions and the patterns of intensities of radiowaves~~ creating the simulated patterns of intensities versus the emitting directions of the simulated radiowaves emitted from said one position, geography and ground objects in the observation area are taken into consideration.

9. (Currently amended) A radiowave monitoring method according to ~~claim 2~~ claim 1, wherein

based on the location of the identified radiowave emitting source and the simulation result, propagation path of the ~~radiowaves from said one position to~~ radiowave from the radiowave emitting source to said one position is traced.

10. (Original) A radiowave monitoring method according to claim 9, wherein

based on a result of tracing the propagation path, antenna directivity of the radiowave emitting source is estimated.

11. (Currently amended) A radiowave monitoring method according to claim 10, wherein

based on the estimated antenna directivity of the radiowave emitting source, an electric field intensity distribution of the ~~radiowaves~~ radiowave emitted from the radiowave emitting source is computed.

12. (Currently amended) A radiowave monitoring apparatus comprising:

a radiowave observing means disposed at one position in an observation area, for observing a pattern of intensities versus arrival directions ~~and patterns of intensities of radiowaves~~ of a radiowave emitted from a radiowave emitting source;

a storing means for storing ~~simulation results of arrival directions and patterns of intensities of radiowaves~~ simulated patterns of intensities at other plural positions in the observation area versus emitting directions of a simulated radiowave emitted from said one position, ~~which are to be observed at other plural positions in the observation area~~ the simulated pattern being obtained through computation performed

by a simulation means while changing the emitting direction of the simulated radiowave; and

a radiowave emitting source identifying means for comparing ~~an observation result given~~ the pattern observed by the radiowave observing means with the ~~simulation results~~ simulated patterns stored in the storing means to identify ~~that~~ a position out of said plural positions whose ~~simulation result shows the arrival direction and the pattern of intensities of the radiowave most correlated~~ simulated pattern shows the best correlation with the ~~observation result~~ pattern observed by the radiowave observing means at said one position as a location of a radiowave emitting source.

13. (Currently amended) A radiowave monitoring apparatus according to claim 12, wherein

the ~~storing~~ simulation means two-dimensionally divides the observation area into a plurality of regions, and computes electric field intensities of ~~radiowaves~~ the simulated radiowave emitted from said one position, which are to be observed in the respective regions.

14. (Currently amended) A radiowave monitoring apparatus according to claim 13, wherein

the storing means stores electric field intensities of ~~radiowaves~~ the simulated radiowave emitted from said one position in different directions, which are to be observed in the respective regions, for the respective directions.

15. (Currently amended) A radiowave monitoring apparatus according to claim 12, wherein

the ~~storing~~ simulation means three-dimensionally divides the observation area into a plurality of spaces and computes electric field intensities of ~~radiowaves~~ the simulated radiowave emitted from said one position, which are to be observed in the respective spaces.

16. (Currently amended) A radiowave monitoring apparatus according to claim 15, wherein

the storing means stores electric field intensities of ~~radiowaves~~ the simulated radiowave emitted from said one position in different directions, which are to be observed in the respective spaces, for the respective directions.

17. (Currently amended) A radiowave monitoring apparatus according to claim 12, further comprising

a propagation path tracing means for tracing a propagation path of ~~radiowaves~~ the radiowave from ~~said one position to~~ the radiowave emitting source to said one position, based on the location of the radiowave emitting source identified by the radiowave emitting source identifying means and the simulation result.

18. (Original) A radiowave monitoring apparatus according to claim 17, further comprising

an antenna directivity estimating means for estimating antenna directivity of the radiowave emitting source, based on a result of

tracing the propagation path given by the propagation path tracing means.

19. (Currently amended) A radiowave monitoring apparatus according to claim 18, further comprising

an electric field intensity computing means for computing an electric field intensity distribution of ~~radiowaves~~ the radiowave emitted from the radiowave emitting source, based on the antenna directivity of the radiowave emitting source estimated by the antenna directivity estimating means.